

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
23 October 2003 (23.10.2003)

PCT

(10) International Publication Number  
WO 03/086041 A2

- (51) International Patent Classification: Not classified
- (21) International Application Number: PCT/US03/11457
- (22) International Filing Date: 11 April 2003 (11.04.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/371,802 11 April 2002 (11.04.2002) US  
60/420,269 22 October 2002 (22.10.2002) US  
60/420,291 22 October 2002 (22.10.2002) US
- (71) Applicant (for all designated States except US):  
ALTAREX CORPORATION [US/US]; 1601 Trapelo  
Road, Suite 350, Waltham, MA 02451 (US).

(74) Agents: VINCENT, Matthew, P. et al.; Ropes & Gray,  
One International Place, Boston, MA 02110-2624 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,  
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,  
VC, VN, YU, ZA, ZM, ZW.

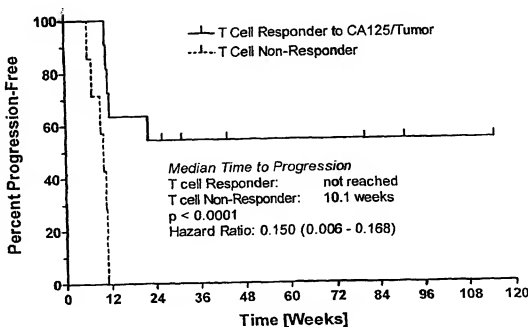
(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished  
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BINDING AGENTS AND THEIR USE IN TARGETING TUMOR CELLS



(57) Abstract: The present invention concerns methods and compositions for administering a binding agent to a patient wherein the patient generates a response to autologous tumor. The binding agents target apoptotic tumor cells and facilitates the uptake of these apoptotic tumor cell are taken up by dendritic cells or other antigen presenting cells for processing and presentation to the immune system without the expression of circulating tumor-associated antigen (or without the need of circulating tumor antigen).